INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/014780

		101/012	0047014780
A. CLASSIFIC Int.Cl	CATION OF SUBJECT MATTER B25J19/00		:
According to Int	ernational Patent Classification (IPC) or to both nations	al classification and IPC	
B. FIELDS SE	ARCHED		
Minimum docun Int.Cl	nentation searched (classification system followed by cl. B25J19/00, B23Q16/06	assification symbols)	
Jitsuyo Kokai J	itsuyo Shinan Koho 1971-2004	oroku Jitsuyo Shinan Koho	1994-2004
Electronic data b	pase consulted during the international search (name of o	data base and, where practicable, search ter	ms used)
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Y	JP 3-121792 A (Yaskawa Elect Ltd.), 23 May, 1991 (23.05.91), Full text (Family: none)	ric Mfg. Co.,	1-6
Y	Microfilm of the specification annexed to the request of Jap Model Application No. 51360/1 No. 13285/1992) (Tokico Ltd.), 03 February, 1992 (03.02.92), Full text (Family: none)	panese Utility .990 (Laid-open	1-6
× Further do	ocuments are listed in the continuation of Box C.	See patent family annex.	
"A" document of to be of part "E" earlier appli filling date "L" document verted to est special rease "O" document of the priority Date of the actual	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is taken alone "ocument of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "E" date document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is a combined with one or more other such documents, such combination being obvious to a person skilled in the art "E" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is a combined with one or more other such documents. "E" document of particular relevance; the claimed invention cannot be considered to involve		
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.			
Category*		1-6	
A	01 March, 1956 (01.03.56),	1-6	
	Fig. 3		
	(Family: none)		
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